



METHOD AND SYSTEM FOR COMPILING MULTIPLE LANGUAGES

Abstract of the Invention

5 A method and system for compiling multiple source language files that share a
common library. The common library is represented in a common language that can be
used by multiple different source languages. Font end compiler systems read the
common language files that make up the common library and the source language files
that use the library. Additionally, the front end systems produce common language files.
10 The common language files produced by the front end systems can be used in the
common library. The common language files may also be supplied to a back end system
or runtime environment that further compiles the common language file to an executable
form and executes the file. At runtime, the common language file is used by the runtime
environment to layout the objects and methods used during execution.

15